

## **ABSTRACT OF THE DISCLOSURE**

A method and computer system for web-interface mediated software testing is disclosed. The computer system includes an application server that provides a web interface for organizing and managing test cases by organizing test cases by the Requirements and Sub-Requirements of a Project. Users can schedule test cases to run on one or more host machines that have loaded thereon a copy of the software being tested, or some part thereof, and an automation tool. The host machine derives test scripts by parsing automation tool recognized syntax from the steps and procedures encoded in the test case files and downloads the appropriate automation tool GUI environment file and running the test script using the automation tool against the software application, or some part thereof, being tested. The progress of each test case or test step can be monitored remotely via the web interface without the need for direct interaction with a host machine. A test case can be generated by an Integrated Test Case Authoring Tool which provides a GUI that translates user keystrokes and mouse actions into strings recognized by standard automation tools.